

In the specification

Please insert the following priority information: "This application claims the benefit of the priority date of application numbers PCT/US04/20159, titled "Computer-Assisted Manipulation of Catheters and Guide Wires, filed June 22, 2004 by M. Bret Schneider et al., which claims the benefit of the priority date of US 2005/004579A1 (U.S. patent application serial number 10/608,862), filed June 27, 2003 by M. Bret Schneider et al., titled "Computer-Assisted Manipulation of Catheters and Guide Wires."

Paragraph 59: please insert "not" in the third sentence, after --are-- and before --limited--.

Paragraph 62: after the first sentence, please insert: "The wheel, coupled with an elongate member and driven by a motor, is an example of a means for advancing and retracting an elongate member. It will be appreciated by one skilled in the art that the foregoing configuration of a module rotating along the axis of the elongate members, coupled with a wheel for advancing and retracting the elongate members, permits advancement and retraction of the members along an effectively unlimited distance."

Paragraph 63: please add the following to the end: "Drum assembly 61 and wheel 67, driven by a motor, is yet another example of a means of advancing and retracting elongate members".

Paragraph 68: after the second sentence, please insert: "Gripper mechanisms, following the foregoing steps and repeating the steps as needed, are recognized as undergoing a cycle capable of countless repetition, and illustrate yet another example of a means of advancing and retracting a member according to the invention. Such a mechanism will be appreciated by one skilled in the art as capable of advancement and retraction of an elongate member of substantial length".

Paragraph 77: before the last sentence, please insert: "It will be appreciated by one skilled in the art that wheel 211, driven by a motor, is an example of a means of advancing and retracting elongate members 204. It will further be appreciated that wheel 211 is capable of an innumerable number of rotations, or repetitions of cycle, thereby permitting advancement of elongate member 204 over a great distance, as may be required by a particular procedure and typical member length."

Paragraph 128: after the sixth sentence, which reads “In addition to the linear driving of the medical device, rotation is provided as well”, please insert the following sentences: “Active drive wheel disk 1048 is another example of a means of advancing and retracting an elongate member. Further, it will be appreciated by one skilled in the art that the distance over which an elongate member may be advanced or retracted is not limited by the configuration of drive wheel disk 1048 housed within the rotating clamshell. Neither drive wheel disk 1048 nor the housing limits the distance over which an elongate member may be advanced or retracted. Still further, the ease with which an elongate member may be loaded within the clamshell without withdrawing the catheter and ‘rethreading’ the tip of the device through the housing will also be appreciated by one skilled in the art.”